

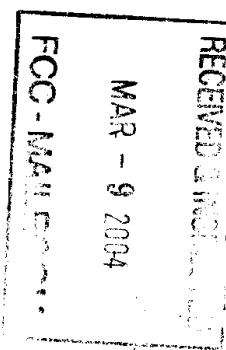


Federal Communications Commission
Washington, D.C. 20554

C4C203

March 4, 2004

William J. Byrnes
c/o Radio Bilingue, Inc.
7921 Old Falls Road
McLean, VA 22102



Dear Mr. Byrnes:

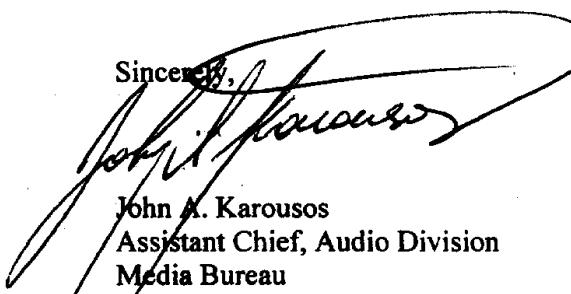
This letter is in response to the Petition for Rule Making filed on behalf of Radio Bilingue, Inc. requesting to reserve vacant Channel 297C at Alturas, California for noncommercial educational ("NCE") use.

The Commission has revised the standards for reserving an FM channel for NCE use.¹ Under these revised standards, a reservation proponent must demonstrate that it is technically precluded from using a reserved channel and would provide a first and/or second NCE radio service to at least 10 percent of the population within the 1mV/m contour (60dBu) of its proposed station. This revised reservation policy was later extended to existing vacant FM allotments for which an allocation proceeding was initiated prior to the effective date of these standards.² To implement the revised reservation policy, the Media Bureau opened a filing window to permit interested parties to file a petition for rule making in compliance with the revised reservation policy and with the submission of a complete technical preclusion showing.³

A staff engineering analysis reveals that your petition is unacceptable for consideration. Specifically, an NCE service at Alturas is not technically precluded because a channel is available in the NCE band (Channels 200 through 220) for use at Alturas, California.

In view of the above, we are returning your petition for rule making to reserve vacant Channel 297C at Alturas for NCE use.

Sincerely,


John A. Karousos
Assistant Chief, Audio Division
Media Bureau

Enclosure

¹ See Reexamination of the Comparative Standards for Noncommercial Educational Applicant, 15 FCC Rcd 7386 (2000), recon granted in part 16 FCC Rcd 5074 (2001).

² See Reexamination of the Comparative Standards for Noncommercial Educational Applicant, 18 FCC Rcd 6691 (2003).

³ See Media Bureau Opens Window to Permit Noncommercial Educational Reservation Showings for Certain Vacant FM Allotments, 18 FCC Rcd 19600 (MB 2003) ("Public Notice").

RECEIVED

Before the

Federal Communications Commission
Washington, DC 20554

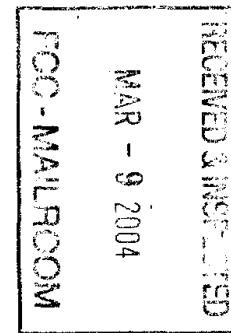
NOV 19 2003

FEDERAL COMMUNICATIONS COMMISSION
OFFICE OF THE SECRETARY

In the Matter of)
Amendment of Section 202(b))
Table of Allotments)
FM Broadcast Station)
Alturas, California)

MB Docket No. 03- _____
RM- _____

To: Chief Allocations Branch
Policy and Rules Division
Media Bureau



Petition for Rule Making

Radio Bilingue, Inc., pursuant to Section 1.401 of the Commission's Rules, by its attorney, requests that the Commission initiate a rule making proceeding to amend Section 73.202 of its Rules by reserving for noncommercial educational use Channel 297C currently allotted to Alturas, California.

Specifically, Radio Bilingue requests that the FM Table of Allocations be amended as follows:

<u>Community</u>	<u>Present</u>	<u>Proposed</u>
Alturas, California	267C, 293C1, 297C	267C, 293C1, *297C

The action requested is thus simply addition of an asterisk in the FM Table of Allotments to reflect reservation of that allotment for a noncommercial educational broadcast station.

The Commission has established clear and specific criteria governing petitions to add such an asterisk. Section 73.202(a)(1) of the Commission's Rules provides that:

"Channels designated with an asterisk may be used only by noncommercial educational broadcast stations. The rules governing the use of those channels are contained in part 73, subpart C of this chapter. An entity that would be eligible to operate a noncommercial educational broadcast station can, in conjunction with an initial petition for rulemaking filed pursuant to part 1, subpart C of this chapter, request that a nonreserved FM channel (channels 221 through 300) be allotted as reserved only for noncommercial educational broadcasting by demonstrating the following:

- (i) No reserved channel can be used without causing prohibited interference to TV channel 6 stations or foreign broadcast stations; or
- (ii) The applicant is technically precluded from using the reserved band by existing stations or previously filed applications and the proposed station would provide a first or second noncommercial educational radio service to 2,000 or more people who constitute 10% of the population within the proposed allocation's 60 dBu (1 mV/m) service contour."

Radio Bilingue is eligible to operate a noncommercial educational broadcast. It is a non-stock California corporation and its eligibility is well-established. It is the licensee of existing noncommercial educational FM stations:

KSJV in Fresno, California,

KTQX in Bakersfield, California,

KMPO in Modesto, California,

KUBO in Calexico, California and

KHDC in Chualar, California.

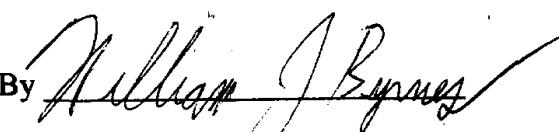
If the reservation requested in this petition is granted, Radio Bilingue will file an appropriate application for Channel 297C in Alturas when the Commission opens a filing window and, if authorized, will proceed promptly with the construction and operation of the new station.

The attached Engineering Report by Gray Frierson Haertig demonstrates that the proposed reservation complies with both the preclusion requirement of Subsection (i) above and the first or second noncommercial service requirement of Subsection (ii) above. The preclusion study also complies with the more detailed explanation set forth in Paragraph 35 of the Second Report and Order in Reexamination of the Comparative Standard for Noncommercial Educational Applicants, MM Docket No. 95-31, FCC 03-44, released April 10, 2003.

Accordingly, Radio Bilingue respectfully requests that the Commission initiate the proposed rule making to reserve Channel 297C in Alturas, California for noncommercial service.

Respectfully submitted,

Radio Bilingue, Inc.

By 
William J. Byrnes

Its attorney

7921 Old Falls Road
McLean, VA 22102
(703) 821-3242
wbyrnes@cox.net

Dated: November 19, 2003

TELECOMMUNICATIONS ENGINEERING

GRAY FRIERSON HAERTIG & ASSOC.

820 NORTH RIVER STREET, SUITE 100
PORTLAND, OREGON 97227

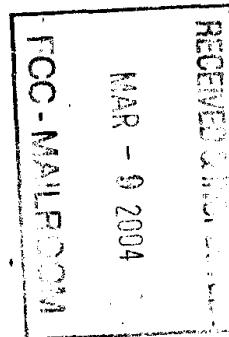
FACSIMILE
503-282-3181

ELECTRONIC MAIL
gfh@haertig.com

503-282-2989
503-654-1142

17 November 2003

Prepared for Radio Bilingue, Inc.



ENGINEERING REPORT IN SUPPORT OF A
PETITION FOR RULEMAKING TO RESERVE
CHANNEL 297C AT ALTURAS, CALIFORNIA
FOR NONCOMMERCIAL EDUCATIONAL USE

This report has been prepared on behalf of Radio Bilingue, Inc., to support its Petition for Rulemaking to reserve Channel 297C at Alturas, California, for noncommercial educational use.

47CFR§73.202(a)(1)ii provides that two conditions be met in order to reserve an allocation in the non-reserved spectrum for noncommercial educational use.

The first is that the proponent must be technically precluded from using a channel previously reserved for noncommercial educational use because of other stations or previously filed applications.

The second is that the allocation would provide first or second noncommercial educational service to 2,000 people and 10% of the population within its 60 dB μ contour.

This engineering report will demonstrate that Channel 297C at Alturas, California, meets these conditions and therefore should be reserved for noncommercial educational use.

Preclusion Study

The Second Report and Order in MM Docket No. 95-31, at paragraph 35, provides for a test that "the Commission will treat as establishing a rebuttable presumption of technical preclusion."

The proponent must establish that no class minimum, rules-compliant facility could be constructed on a channel reserved for noncommercial educational use at the reference coordinates of the community of license; and

That no maximum same-class, rules-compliant facility could be constructed on a channel reserved for noncommercial educational use at any of four points which are located on a circle centered on the reference coordinates of the community of license and having a radius one kilometer less than the radius of the predicted 60 dBu contour of a maximum same-class station. These points shall be equally spaced and start at 0 degrees.

Class C maximum facilities operate with an effective radiated power of 100 kilowatts and a height above average terrain of 600 meters. Minimum Class C facilities operate at 100KW ERP and 451 meters HAAT.

Attached as Exhibit I are five preclusion studies each consisting of computerized allocation studies for each channel from 201 through 220. The first study is for minimum Class C facilities at the reference coordinates of Alturas. The other four studies are for maximum Class C facilities at four points located on a circle of 91 kilometer radius centered on Alturas.

With the exception of operation on Channel 211 at a point 91 kilometers due East of Alturas, existing stations and permits and previously filed applications preclude the operation of any Class C facility in the reserved spectrum. As regards operation on Channel 211, included is a coverage map showing that maximum Class C facilities at this location would not place a 60 dBu signal over the community of license and are therefore not rules compliant.

EXHIBIT I
PRECLUSION STUDY

- GRAY FRIERSON HAERTIG & ASSOC. -
TELECOMMUNICATIONS ENGINEERING

CHANNEL PRECLUSION STUDY
Alturas Preclusion Study, Minimum Facilities at Community C

REFERENCE
 9°13' N
 32°29' W
 Radio Bilingue, Fresno, California
 Class= C , Pwr= 100 kW, HAAT= 451 M, COR= 1860 M
 Average Protected F(50-50)= 83.5 km
 Ave. F(50-10) 40 dbu= 187.1 54 dbu= 124.1 80 dbu= 42.6 100 dbu= 12.2

DISPLAY DATES
 DATA 10-18-03
 SEARCH 11-15-03

CALL	TYPE	AZI.	DIST	LAT.	Pwr(kw)	COR(M)	PRO(km)	*IN*	*OUT*
	STATE	<--	FILE #	LNG.	HAAT(M)	INT(km)	LICENSEE	(Overlap in km)	

Channel 201 88.1 MHz. ---

33 KFLL.C anville	CP DCX CA	181.3 1.3	120.37 BNPED20000518ACM	40 24 12 120 34 25	25.000 -224	1336 192.5	22.7 Broadcasting For The Chall	-67.68<	-94.81<
C2 KNSQ nt Shasta	LIC CN CA	259.2 79.2	149.86 BLED19940505KC	41 13 22 122 17 51	5.000 408	1494 192.2	50.1 State Of Ore./state Bd. Of	-61.20<	-92.48<
A KQNC.C ncy	CP CN CA	191.4 11.4	175.48 BNPED20000119ABU	39 56 14 120 56 51	0.500 -330	1057 191.5	8.5 California State Universit	59.60	-24.50<
A KOAP eview	LIC C OR	11.3 191.3	78.33 BLED20000922ABE	42 10 42 120 21 19	0.170 21	1455 11.5	6.4 Oregon Public Broadcasting	-2.28*<	60.35

Channel 202 88.3 MHz. ---

B KLVC alia	LIC CN CA	210.6 30.6	196.02 BLED19990114KB	39 57 45 121 42 40	5.700 151	1177 186.0	33.8 Educational Media Foundati	19.78	-23.82<
C1 KLRH.C arks	CP CX NV	154.4 334.4	212.19 BNPED20000518ACL	39 45 38 119 27 59	1.800 758	2556 188.8	55.7 Educational Media Foundati	-4.21<	-32.27<
C3 KFLL.C anville	CP DCX CA	181.3 1.3	120.37 BNPED20000518ACM	40 24 12 120 34 25	25.000 -224	1336 131.9	22.7 Broadcasting For The Chall	-3.43<	-34.15<
IA KLMF amath Falls	LIC CX OR	307.2 127.2	113.26 BLED20021011ABV	42 05 50 121 37 59	0.095 669	1995 114.4	26.9 The State Board Of Higher	-6.04<	-28.06<
3C2 KJQ.C incy	CP DCX CA	196.3 16.3	144.94 BNPED20000517AFH	40 14 00 121 01 11	0.790 623	2203 127.4	43.2 Csn International	-6.03<	-25.64<
LC2 KNSQ nt Shasta	LIC CN CA	259.2 79.2	149.86 BLED19940505KC	41 13 22 122 17 51	5.000 408	1494 131.5	50.1 State Of Ore./state Bd. Of	-13.31<	-31.76<
4A KOAP eview	LIC C OR	11.3 191.3	78.33 BLED20000922ABE	42 10 42 120 21 19	0.170 21	1455 11.5	6.4 Oregon Public Broadcasting	-2.28*<	60.35

- Channel 203 88.5 MHz. ---

3A KLMF amath Falls	LIC CX OR	307.2 127.2	113.26 BLED20021011ABV	42 05 50 121 37 59	0.095 669	1995 180.0	26.9 The State Board Of Higher	-46.91<	-93.67<
3C2 KJQ.C incy	CP DCX CA	196.3 16.3	144.94 BNPED20000517AFH	40 14 00 121 01 11	0.790 623	2203 189.3	43.2 Csn International	-52.71<	-87.56<
4A KOAP eview	LIC C OR	11.3 191.3	78.33 BLED20000922ABE	42 10 42 120 21 19	0.170 21	1455 118.2	6.4 Oregon Public Broadcasting	-10.57*<	-46.35<

- Channel 204 88.7 MHz. ---

4A KOAP eview	LIC C OR	11.3 191.3	78.33 BLED20000922ABE	42 10 42 120 21 19	0.170 21	1455 182.8	6.4 Oregon Public Broadcasting	-22.85*<	-110.86<
3A KLMF amath Falls	LIC CX OR	307.2 127.2	113.26 BLED20021011ABV	42 05 50 121 37 59	0.095 669	1995 114.4	26.9 The State Board Of Higher	-6.04<	-28.06<
3C2 KJQ.C incy	CP DCX CA	196.3 16.3	144.94 BNPED20000517AFH	40 14 00 121 01 11	0.790 623	2203 127.4	43.2 Csn International	-6.03<	-25.64<
4C KUNR eno	LIC CN NV	163.8 343.8	257.35 BMLED19930412KA	39 15 34 119 42 16	20.000 625	2306 189.6	76.2 University Of Nevada, Reno	5.86	-8.40<
5A KKLJ lamath Falls	LIC CX OR	298.9 118.9	135.06 BLED20030317KIU	42 03 54 121 58 14	0.032 718	2003 116.0	21.3 Educational Media Foundati	24.01	-2.22<

-- Channel 205 88.9 MHz. ---

Y	CAL	TYPE	STATE	AZI.	DIST	LAT.	Pwr(kW)	COR(M)	PRO(km)	*IN*	*OUT*
				<-	FILE #	LNG.	HAAT(M)	INT(km)	LICENSEE	(Overlap	in km)
A	KKLJ math Falls	LIC OR	CX	298.9 118.9	135.06 BLED20030317KIU	42 03 54 121 58 14	0.032 718	2003 181.1	21.3	-12.93<	-67.36< Educational Media Foundation
A	KOAP review	LIC OR	C	11.3 191.3	78.33 BLED20000922ABE	42 10 42 120 21 19	0.170 21	1455 118.2	6.4	-10.57*<	-46.35< Oregon Public Broadcasting
C1	900129 ding	APP CA	DCN	241.5 61.5	190.28 BPED19900129MH	40 39 15 122 31 12	4.522 612	1014 191.0	59.9	-35.94<	-60.54< State Of Oregon
C1	KFPR.C ding	CP CA	CN	241.6 61.6	202.63 BPED19880610ML	40 36 10 122 38 58	0.750 1343	1906 191.0	58.2	-18.80<	-46.59< The Univ. found. Ca State U
Channel 206 89.1 MHz. ---											
C1	KPJP.C eenville	CP CA	DCX	196.2 16.2	144.95 BMPED20030226ACH	40 13 59 121 01 08	4.500 657	2236 127.4	61.4	-31.41<	-43.82< Ihr Educational Broadcasti
A	KKLJ math Falls	LIC OR	CX	298.9 118.9	135.06 BLED20030317KIU	42 03 54 121 58 14	0.032 718	2003 116.0	21.3	24.01	-2.22< Educational Media Foundation
A	KOAP review	LIC OR	C	11.3 191.3	78.33 BLED20000922ABE	42 10 42 120 21 19	0.170 21	1455 11.5	6.4	-2.28*<	60.35 Oregon Public Broadcasting
- Channel 207 89.3 MHz. ---											
C1	KPJP.C eenville	CP CA	DCX	196.2 16.2	144.95 BMPED20030226ACH	40 13 59 121 01 08	4.500 657	2236 189.3	61.4	-81.97<	-105.75< Ihr Educational Broadcasti
A	KOAP review	LIC OR	C	11.3 191.3	78.33 BLED20000922ABE	42 10 42 120 21 19	0.170 21	1455 11.5	6.4	-2.28*<	60.35 Oregon Public Broadcasting
- Channel 208 89.5 MHz. ---											
9C	KNCA.A rney	APP CA	CY	239.4 59.4	125.70 BPED19960417MD	40 54 21 121 49 38	30.000 612	1722 129.5	80.0	-79.08<	-83.82< Oregon State Board Of High
8A	KTEC math Falls	LIC OR	CN	308.3 128.3	132.19 BLED19850104LL	42 12 59 121 47 57	0.210 100	1377 180.0	12.3	12.42	-60.15< State Board Of Higher Educ
9C2	KNCA rney	LIC CA	CN	236.9 56.9	123.51 BLED19920422KA	40 52 30 121 46 14	2.300 634	1635 129.1	54.0	-43.54<	-59.59< Oregon State Board Of High
7C1	KPJP.C eenville	CP CA	DCX	196.2 16.2	144.95 BMPED20030226ACH	40 13 59 121 01 08	4.500 657	2236 127.4	61.4	-31.41<	-43.82< Ihr Educational Broadcasti
- Channel 209 89.7 MHz. ---											
9C	KNCA.A rney	APP CA	CY	239.4 59.4	125.70 BPED19960417MD	40 54 21 121 49 38	30.000 612	1722 190.7	80.0	-133.28<	-145.06< Oregon State Board Of High
9C2	KNCA rney	LIC CA	CN	236.9 56.9	123.51 BLED19920422KA	40 52 30 121 46 14	2.300 634	1635 190.5	54.0	-92.27<	-120.94< Oregon State Board Of High
9C	951113 no	APP NV	DCN	162.7 342.7	251.89 BPED19951113MB	39 19 08 119 40 07	13.000 795	2395 189.6	77.5	0.09<	-15.15< Stockton Chistian Life Col
3A	KBUG.C illin	CP OR	CN	312.3 132.3	100.68 BPED19950203MA	42 05 32 121 26 35	0.750 271	1648 92.7	27.8	29.0R	71.7M Malin Christian Church, In
3A	RDEL illin	DEL OR		312.3 132.3	100.68	42 05 32 121 26 35	6.000 -1377	0 92.7	15.8	29.0R	71.7M Malin Christian Church, In
-- Channel 210 89.9 MHz. ---											
9C	KNCA.A rney	APP CA	CY	239.4 59.4	125.70 BPED19960417MD	40 54 21 121 49 38	30.000 612	1722 129.5	80.0	-79.08<	-83.82< Oregon State Board Of High
9C2	KNCA rney	LIC CA	CN	236.9 56.9	123.51 BLED19920422KA	40 52 30 121 46 14	2.300 634	1635 129.1	54.0	-43.54<	-59.59< Oregon State Board Of High
3A	KBUG.C alin	CP OR	CN	312.3 132.3	100.68 BPED19950203MA	42 05 32 121 26 35	0.750 271	1648 92.7	27.8	35.0R	65.7M Malin Christian Church, In

CALL	TYPE STATE	AZI <--	DIST FILE #	LAT. LNG.	PWR(KW) HAAT(M)	COR(M) INT(km)	PRO(km)	LICENSEE	*IN* (Overlap in km)	*OUT*
RDEL	DEL OR	312.3 132.3	100.68	42 05 32 121 26 35	6.000 -1377	0 92.7	15.8	35.0R		65.7M
Channel 211 90.1 MHZ. ---										
A 990405 enville	APP CA	196.3 16.3	144.94 BPED19990405ME	40 14 00 121 01 11	0.056 633	2213 127.4	23.1 Pacific Cascade Communicat		-23.99	-5.47<
C1 KBUG.A in	APP OR	307.2 127.2	113.19 BMPED19991013AAH	42 05 48 121 37 57	12.500 661	1984 92.5	72.4 Malin Christian Church, In	29.0R		84.2M
Channel 212 90.3 MHZ. ---										
A 990405 enville	APP CA	196.3 16.3	144.94 BPED19990405ME	40 14 00 121 01 11	0.056 633	2213 189.3	23.1 Pacific Cascade Communicat		-14.28<	-67.40<
C2 KIBC ney	LIC CA	236.9 56.9	123.51 BLED19980206KA	40 52 29 121 46 13	3.000 630	1631 129.1	56.4 Burney Educ. Broadcasting	-46.97<		-62.06<
C1 KBUG.A in	APP OR	307.2 127.2	113.19 BMPED19991013AAH	42 05 48 121 37 57	12.500 661	1984 92.5	72.4 Malin Christian Church, In	31.0R		82.2M
Channel 213 90.5 MHZ. ---										
C2 KIBC ney	LIC CA	236.9 56.9	123.51 BLED19980206KA	40 52 29 121 46 13	3.000 630	1631 190.5	56.4 Burney Educ. Broadcasting	-96.39<		-123.41<
IA 980319 grant Valley	APP DCN OR	292.4 112.4	173.77 BPED19980319MO	42 03 55 122 29 00	0.005 727	1835 182.2	11.7 Emigrant Valley Christian	47.78		-20.14<
IA 980318 grant Valley	APP DCN OR	292.4 112.4	173.77 BPED19980318MJ	42 03 55 122 29 00	0.005 727	1835 182.2	11.7 Emigrant Valley Public Rad	47.78		-20.14<
IA 980319 Hornbrook	APP CA	286.2 106.2	174.14 BPED19980319MN	41 54 18 122 33 27	0.200 -173	659 183.3	6.7 Hornbrook Development Cent	71.52		-15.89<
IA 980319 Hornbrook	APP CA	286.2 106.2	174.14 BPED19980319MM	41 54 18 122 33 27	0.200 -173	659 183.3	6.7 Oregon Ed. Radio Services	71.52		-15.89<
3C KKTO Redwood City	LIC CA	166.8 346.8	248.04 BLED19970902KB	39 18 38 119 53 01	38.000 406	2977 190.1	70.0 California State Universit	-0.25<		-12.06<
2A 990405 enville	APP CX CA	196.3 16.3	144.94 BPED19990405ME	40 14 00 121 01 11	0.056 633	2213 127.4	23.1 Pacific Cascade Communicat	23.99		-5.47<
7C ALLO turas	VAC CA	260.8 80.8	48.06	41 25 00 121 06 32	100.000 -1451	0 108.4	31.0 35.0R			13.1M
- Channel 214 90.7 MHZ. ---										
5C1 KSKF lamath Falls	LIC E OR	307.2 127.2	113.26 BLED19960111KX	42 05 50 121 37 59	6.500 678	2004 114.4	66.0 St of Oregon Act By St Boa	-61.34<		-67.16<
3C2 KIBC rney	LIC CN CA	236.9 56.9	123.51 BLED19980206KA	40 52 29 121 46 13	3.000 630	1631 129.1	56.4 Burney Educ. Broadcasting	-46.97<		-62.06<
5C3 AP215 sanville	APP CX CA	181.2 1.2	114.78 BNPED20000421AAU	40 27 13 120 34 14	2.000 280	1800 131.9	35.4 Ihr Educational Broadcasti	-26.50<		-52.52<
4A 950714 d Bluff	APP CN CA	223.6 43.6	194.85 BPED19950714MF	40 12 31 122 07 27	2.500 -44	300 189.2	12.7 Tehama County Community Br	59.76		-7.03<
i7C ALLO turas	VAC CA	260.8 80.8	48.06	41 25 00 121 06 32	100.000 -1451	0 108.4	31.0 29.0R			19.1M
-- Channel 215 90.9 MHZ. ---										
15C1 KSKF lamath Falls	LIC E OR	307.2 127.2	113.26 BLED19960111KX	42 05 50 121 37 59	6.500 678	2004 180.0	66.0 St of Oregon Act By St Boa	-112.84<		-132.77<
15C3 AP215 sanville	APP CX CA	181.2 1.2	114.78 BNPED20000421AAU	40 27 13 120 34 14	2.000 280	1800 192.5	35.4 Ihr Educational Broadcasti	-66.86<		-113.17<

CALL	TYPE	STATE	AZI, -->	DIST FILE #	LAT. LNG.	Pwr(kW) HAAT(m)	COR(km) INT(km)	PRO(km) LICENSEE	*IN*	*OUT*
									(Overlap in km)	
Channel 216 91.1 MHz. ---										
C1 KSKF math Falls	LIC OR	E	307.2 127.2	113.26 BLED19960111KX	42 05 50 121 37 59	6.500 678	2004 114.4	66.0 St Of Oregon Act By St Boa	-61.34<	-67.16<
C1 AP219 uras	APP CA	VX	50.8 230.8	13.56 BNPED20000421AAS	41 33 50 120 24 55	100.000 197	1553 12.2	63.5 Ihr Educational Broadcasti	-78.04*<	-62.09*<
C3 AP215 anville	APP CA	CX	181.2 1.2	114.78 BNPED20000421AAU	40 27 13 120 34 14	2.000 280	1800 131.9	35.4 Ihr Educational Broadcasti	-26.50<	-52.52<
C2 950713 ding	APP CA	DCN	241.5 61.5	190.30 BPED19950713MB	40 39 14 122 31 12	1.764 587	986 191.0	49.6 St Of Or Acting, & Through	-19.41<	-50.24<
C2 950327 ding	APP CA	DCN	241.5 61.5	190.30 BPED19950327MA	40 39 14 122 31 12	1.800 579	978 191.0	49.4 Christian Arts And Educati	-19.29<	-50.11<
Channel 217 91.3 MHz. ---										
9C1 AP219 uras	APP CA	VX	50.8 230.8	13.56 BNPED20000421AAS	41 33 50 120 24 55	100.000 197	1553 12.2	63.5 Ihr Educational Broadcasti	-78.04*<	-62.09*<
9C2 KNRY ka	LIC CA	CN	275.2 95.2	174.29 BLED19951012KB	41 36 36 122 37 26	0.400 942	1817 189.2	45.8 State Of Oregon/state Bd/o	-25.56<	-60.74<
9C KNIS son City	LIC NV	CN	163.9 343.9	257.34 BLED19891016KA	39 15 30 119 42 36	67.000 640	2311 189.6	89.2 Western Inspirational Broa	-19.67<	-21.48<
9A KKRO dding	LIC CA	CX	234.4 54.4	134.00 BLED20021119ABO	40 46 43 121 50 00	0.290 213	1521 129.1	19.8 Educational Media Foundati	18.08	-14.93<
Channel 218 91.5 MHz. ---										
9C1 AP219 uras	APP CA	VX	50.8 230.8	13.56 BNPED20000421AAS	41 33 50 120 24 55	100.000 197	1553 124.0	63.5 Ihr Educational Broadcasti	-164.08*<	-173.95*<
9A KKRO dding	LIC CA	CX	234.4 54.4	134.00 BLED20021119ABO	40 46 43 121 50 00	0.290 213	1521 190.5	19.8 Educational Media Foundati	-13.68<	-76.29<
Channel 219 91.7 MHz. ---										
9C1 AP219 uras	APP CA	VX	50.8 230.8	13.56 BNPED20000421AAS	41 33 50 120 24 55	100.000 197	1553 187.0	63.5 Ihr Educational Broadcasti	-231.35*<	-236.94*<
9B KCHO ico	LIC CA	CN	210.5 30.5	196.52 BLED19860514KD	39 57 30 121 42 48	7.700 108	1119 186.0	31.1 Univ. Foundation/ca. St. U	21.96	-20.60<
8A KKRO dding	LIC CA	CX	234.4 54.4	134.00 BLED20021119ABO	40 46 43 121 50 00	0.290 213	1521 129.1	19.8 Educational Media Foundati	18.08	-14.93<
9A 950210 cloud	APP CA	CN	264.0 84.0	139.14 BPED19950210MA	41 20 43 122 11 42	0.035 840	2434 131.9	23.4 Southern Oregon State Coll	14.44	-16.15<
9A 960503 cloud	APP CA	CN	261.8 81.8	143.65 BPED19960503MG	41 17 30 122 14 21	0.100 180	1500 131.6	13.8 Fatima Response Inc Dba	34.78	-1.80<
Channel 220 91.9 MHz. ---										
9C1 AP219 uras	APP CA	VX	50.8 230.8	13.56 BNPED20000421AAS	41 33 50 120 24 55	100.000 197	1553 124.0	63.5 Ihr Educational Broadcasti	-164.08*<	-173.95*<
9A 950210 cloud	APP CA	CN	264.0 84.0	139.14 BPED19950210MA	41 20 43 122 11 42	0.035 840	2434 192.6	23.4 Southern Oregon State Coll	-25.09<	-76.79<
9A 960503 cloud	APP CA	CN	261.8 81.8	143.65 BPED19960503MG	41 17 30 122 14 21	0.100 180	1500 192.3	13.8 Fatima Response Inc Dba	10.18	-62.50<
9A AP220 jincy	APP CA	CX	191.4 11.4	175.48 BNPED19991012AAF	39 56 14 120 56 51	0.500 -330	1057 191.5	8.5 Ihr Educatinal Broadcastin	59.60	-24.50<
--- Channel-six TV station of concern ----										
9B KEDR acramento	LIC CA	V	193.1 13.1	368.96 BLED19970602KC	38 14 50 121 30 03	8.400 304	305 106.3	48.7 Family Stations, Inc.	226.59	213.97

CALL	TYPE	STATE	AZI.	DIST	LAT.	PWR(kW)	COR(M)	PRO(km)	*IN*	*OUT*
			<--	FILE #	LNG.	HAAT(M)	INT(km)	LICENSEE	(overlap in km)	

CHANNEL PRECLUSION STUDY
Alturas Preclusion Study, Max Facilities at 0 Deg
Radio Bilingue, Fresno, California

REFERENCE
18° 23' N
32° 29' W
CLASS = C, Pwr= 100 kW, HAAT= 600 M, COR= 2372 M
Ave. F(50-10) 40 dBu= 197.8 54 dBu= 136.6 80 dBu= 50.4 100 dBu= 13.7
DISPLAY DATES
DATA 10-18-03
SEARCH 11-11-03

CALL Y	TYPE	STATE	AZI.	DIST	LAT.	Pwr(kw)	COR(M)	PRO(km)	*IN*	*OUT*
			<--	FILE #	LNG.	HAAT(M)	INT(km)	LICENSEE	(Overlap in km)	
Channel 201 88.1 MHz. ---										
A KOAP review	LIC OR	C 312.8	20.94	BLED20000922ABE	42 10 42 120 21 19	0.170 -37	1455 16.8	6.4	-81.39*<	-2.25<
C2 KNSQ nt Shasta	LIC CA	CN 51.0	189.24	BLED19940505KC	41 13 22 122 17 51	5.000 196	1494 189.2	37.1	6.30<	-37.02<
C3 980126 d	CP OR	CX 162.3	206.98	BPED19980126MB	44 04 40 121 19 49	2.750 93	1297 199.5	23.0	40.82	-15.54<
C3 KFLL.C anville	CP CA	DCX 0.7	211.37	BNPED20000518ACM	40 24 12 120 34 25	25.000 -224	1336 210.0	22.7	12.33	-21.29<
C1 950206 io	APP OR	CX 85.4	105.70	BPED19950206MH	42 13 23 121 49 03	52.000 91	1538 96.1	43.4	31.0R	74.7M
C1 950206 io	APP OR	CX 85.4	105.70	BPED19950206MB	42 13 23 121 49 03	52.000 91	1538 96.1	43.4	31.0R	74.7M
Channel 202 88.3 MHz. ---										
IA KOAP review	LIC OR	C 312.8	20.94	BLED20000922ABE	42 10 42 120 21 19	0.170 -37	1455 16.8	6.4	-81.39*<	-2.25<
IA KLMF amath Falls	LIC OR	CX 75.9	93.11	BLED20021011ABV	42 05 50 121 37 59	0.095 572	1995 135.1	24.8	-35.80<	-66.83<
?A KSRG island	LIC OR	CN 90.4	182.08	BLED19950508KB	42 17 52 122 44 58	0.230 -25	1170 180.2	6.9	81.34	-5.02<
Channel 203 88.5 MHz. ---										
4A KOAP keview	LIC OR	C 312.8	20.94	BLED20000922ABE	42 10 42 120 21 19	0.170 -37	1455 147.7	6.4	-89.68*<	-133.24<
3A KLMF amath Falls	LIC OR	CX 75.9	93.11	BLED20021011ABV	42 05 50 121 37 59	0.095 572	1995 195.8	24.8	-75.24<	-127.54<
3C2 KJQ.C incy	CP CA	DCX 10.0	233.69	BNPED20000517AFH	40 14 00 121 01 11	0.790 614	2203 203.4	42.9	26.83	-12.56<
3C2 KWRX.C dmond	CP OR	DCX 172.1	239.08	BPED20021017AAX	44 26 14 120 57 12	0.706 783	1729 194.7	47.3	31.68	-2.92<
Channel 204 88.7 MHz. ---										
4A KOAP keview	LIC OR	C 312.8	20.94	BLED20000922ABE	42 10 42 120 21 19	0.170 -37	1455 214.2	6.4	-101.95*<	-199.72<
3A KLMF amath Falls	LIC OR	CX 75.9	93.11	BLED20021011ABV	42 05 50 121 37 59	0.095 572	1995 135.1	24.8	-35.80<	-66.83<
ISA KKJL amath Falls	LIC OR	CX 77.6	121.07	BLED20030317KIU	42 03 54 121 58 14	0.032 701	2003 131.2	21.1	0.97<	-31.14<
15C3 AP205 remult	APP OR	CX 139.7	146.85	BNPED20000420ABO	43 18 23 121 42 56	0.350 481	2160 136.6	30.8	7.05	-20.50<
58C1 KAGOFM lamath Falls	LIC OR	CN 84.8	104.25	BLH19930525KB	42 12 56 121 47 56	60.000 20	1437 96.1	27.6	31.0R	73.3M
-- Channel 205 88.9 MHz. ---										
54A KOAP akeview	LIC OR	C 312.8	20.94	BLED20000922ABE	42 10 42 120 21 19	0.170 -37	1455 147.7	6.4	-89.68*<	-133.24<

CALL	TYPE	AZI.	DIST	LAT.	Pwr(kW)	COR(M)	PRO(km)	*IN*	*OUT*
	STATE	<--	FILE #	LNG.	HAAT(M)	INT(km)	LICENSEE	(Overlap	in km)
4A KKLJ amath Falls	LIC OR	CX 257.6 77.6	121.07 BLED20030317KIU	42 03 54 121 58 14	0.032 701	2003 192.0	21.1 Educational Media Foundati	-35.69<	-91.94<
5C3 AP205 emult	APP OR	CX 319.7 139.7	146.85 BNPED20000420ABO	43 18 23 121 42 56	0.350 481	2160 197.8	30.8 St. of Oregon Acting By &	-34.05<	-81.70<
5C1 900129 lding	APP CA	DCN 222.6 42.6	246.95 BPED19900129MH	40 39 15 122 31 12	4.577 623	1014 192.3	60.4 State Of Oregon	18.85	-5.77<
5C1 KAGOFM amath Falls	LIC OR	CN 264.8 84.8	104.25 BLH19930525KB	42 12 56 121 47 56	60.000 20	1437 96.1	27.6 New Northwest Broadcasters	29.0R	75.3M
- Channel 206 89.1 MHz. ---									
4A KOAP keview	LIC OR	C 132.8 312.8	20.94 BLED20000922ABE	42 10 42 120 21 19	0.170 -37	1455 16.8	6.4 Oregon Public Broadcasting	-81.39*<	-2.25<
5C2 KSMF.C land	CP OR	CN 270.4 90.4	182.08 BPED19960715IC	42 17 52 122 44 58	2.300 -23	1172 180.2	12.4 State Of Oregon/state Bd H	56.63	-10.49<
5C2 KSMF hland	LIC OR	CN 270.5 90.5	182.10 BLED19920511KA	42 17 54 122 44 59	2.300 -24	1172 180.2	12.4 State Of Oregon/state Bd H	56.65	-10.47<
5A KKLJ amath Falls	LIC OR	CX 257.6 77.6	121.07 BLED20030317KIU	42 03 54 121 58 14	0.032 701	2003 131.2	21.1 Educational Media Foundati	0.97<	-31.14<
5C3 AP205 emult	APP OR	CX 319.7 139.7	146.85 BNPED20000420ABO	43 18 23 121 42 56	0.350 481	2160 136.6	30.8 St. of Oregon Acting By &	7.05	-20.50<
- Channel 207 89.3 MHz. ---									
4A KOAP keview	LIC OR	C 132.8 312.8	20.94 BLED20000922ABE	42 10 42 120 21 19	0.170 -37	1455 16.8	6.4 Oregon Public Broadcasting	-81.39*<	-2.25<
8A KTEC amath Falls	LIC OR	CN 264.9 84.9	104.26 BLED19850104LL	42 12 59 121 47 57	0.210 -45	1377 118.5	6.8 State Board Of Higher Educ	14.66	-21.06<
7C1 KPJP.C eenville	CP CA	DCX 190.0 10.0	233.71 BMPED20030226ACH	40 13 59 121 01 08	4.500 648	2236 203.4	61.1 Ihr Educational Broadcasti	-2.44<	-30.74<
7A 981125 schutes River Woo	APP OR	CN 342.4 162.4	191.81 BPED19981125MB	43 56 56 121 16 05	1.800 -129	1484 199.5	11.7 william Patrick Donnelly M	55.30	-19.45<
7A 981127 nd	APP OR	CN 342.4 162.4	191.81 BPED19981127MD	43 56 56 121 16 05	1.800 -129	1484 199.5	11.7 Jesuit Mission, Inc.	55.30	-19.45<
7C3 981203 dmond	APP OR	CN 342.3 162.3	206.98 BPED19981203MO	44 04 40 121 19 49	5.000 100	1304 199.5	27.2 Csn International	30.27	-19.77<
7A 970925 sters	APP OR	CN 342.3 162.3	206.97 BPED19970925MF	44 04 40 121 19 48	1.350 117	1321 199.5	21.7 Educational Media Foundati	46.81	-14.26<
7A 981203 sters	APP OR	CN 342.3 162.3	206.98 BPED19981203MF	44 04 40 121 19 49	1.000 96	1300 199.5	18.2 Lane Community College	54.60	-10.79<
- Channel 208 89.5 MHz. ---									
7A KTEC amath Falls	LIC OR	CN 264.9 84.9	104.26 BLED19850104LL	42 12 59 121 47 57	0.210 -45	1377 183.0	6.8 State Board Of Higher Educ	1.67<	-85.50<
7C KNCA.A irney	APP CA	CY 214.9 34.9	188.91 BPED19960417MD	40 54 21 121 49 38	30.000 670	1722 136.8	82.2 Oregon State Board of High	-23.82<	-30.06<
-- Channel 209 89.7 MHz. ---									
7C KNCA.A irney	APP CA	CY 214.9 34.9	188.91 BPED19960417MD	40 54 21 121 49 38	30.000 670	1722 198.1	82.2 Oregon State Board of High	-78.24<	-91.34<
7A KTEC amath Falls	LIC OR	CN 264.9 84.9	104.26 BLED19850104LL	42 12 59 121 47 57	0.210 -45	1377 118.5	6.8 State Board Of Higher Educ	14.66	-21.06<
7C2 KNCA irney	LIC CA	CN 213.1 33.1	189.15 BLED19920422KA	40 52 30 121 46 14	2.300 560	1635 198.7	51.0 Oregon State Board of High	-28.61<	-60.53<

CALL	TYPE	STATE	AZI.	DIST	FILE #	LAT.	Pwr(kW)	COR(M)	PRO(km)	*IN*	*OUT*
			<--	---		LNG.	HAAT(M)	INT(km)	LICENSEE	(Overlap in km)	
A KBUG.C in	CP OR	CN	252.5 72.5	78.18	BPED19950203MA	42 05 32 121 26 35	0.750 215	1648 113.1	24.9 Malin Christian Church, In	29.0R	49.2M
A RDEL in	DEL OR		252.5 72.5	78.18		42 05 32 121 26 35	6.000 -1433	0 113.1	15.8	29.0R	49.2M
Channel 210 89.9 MHz. ---											
C KNCA.A ney	APP CA	CY	214.9 34.9	188.91	BPED19960417MD	40 54 21 121 49 38	30.000 670	1722 136.8	82.2 Oregon State Board Of High	-23.82<	-30.06<
C2 981203 mond	APP OR	CX	352.1 172.1	239.17	BPED19981203MO	44 26 17 120 57 14	0.750 789	1735 194.7	48.1 Csn International	30.56	-3.59<
A KBUG.C in	CP OR	CN	252.5 72.5	78.18	BPED19950203MA	42 05 32 121 26 35	0.750 215	1648 113.1	24.9 Malin Christian Church, In	41.0R	37.2M
A RDEL in	DEL OR		252.5 72.5	78.18		42 05 32 121 26 35	6.000 -1433	0 113.1	15.8	41.0R	37.2M
Channel 211 90.1 MHz. ---											
C KSOR land	LIC OR	DC	281.9 101.9	225.03	BMLED20010926ABP	42 41 30 123 13 44	4.223 833	1636 186.8	66.4 Oregon State Board Of High	-6.31<	-28.08<
C1 KBUG.A in	APP OR	CX	255.8 75.8	93.08	BPMPED19991013AAH	42 05 48 121 37 57	12.500 561	1984 112.9	68.3 Malin Christian Church, In	29.0R	64.1M
Channel 212 90.3 MHz. ---											
A KKLP.C Pine	CP OR	CX	334.5 154.5	165.90	BPED19980512MA	43 39 01 121 25 42	0.450 -6	1472 199.5	8.3 Educational Media Foundati	45.37	-41.87<
5C1 KSKF lamath Falls	LIC OR	E	255.9 75.9	93.11	BLED19960111KX	42 05 50 121 37 59	6.500 581	2004 13.3	62.3 St Of Oregon Act By St Boa	-2.51<	17.43
3C2 KIBC rney	LIC CA	CN	213.1 33.1	189.16	BLED19980206KA	40 52 29 121 46 13	3.000 556	1631 137.2	53.5 Burney Educ. Broadcasting	17.08	-1.55<
5C1 KBUG.A lin	APP OR	CX	255.8 75.8	93.08	BPMPED19991013AAH	42 05 48 121 37 57	12.500 561	1984 112.9	68.3 Malin Christian Church, In	29.0R	64.1M
Channel 213 90.5 MHz. ---											
3A 980318 igrant Valley	APP OR	DCN	261.1 81.1	162.65	BPED19980318MJ	42 03 55 122 29 00	0.005 561	1835 186.7	10.6 Emigrant Valley Public Rad	38.75	-34.70<
3A 980319 igrant Valley	APP OR	DCN	261.1 81.1	162.65	BPED19980319MO	42 03 55 122 29 00	0.005 561	1835 186.7	10.6 Emigrant Valley Christian	38.75	-34.70<
3C2 KIBC rney	LIC CA	CN	213.1 33.1	189.16	BLED19980206KA	40 52 29 121 46 13	3.000 556	1631 198.7	53.5 Burney Educ. Broadcasting	-32.74<	-62.99<
3A 980319 rnbrook	APP CA	CN	255.7 75.7	172.62	BPED19980319MM	41 54 18 122 33 27	0.200 -111	659 195.8	6.7 Oregon Ed. Radio Services	59.54	-29.90<
3A 980319 rnbrook	APP CA	CN	255.7 75.7	172.62	BPED19980319MN	41 54 18 122 33 27	0.200 -111	659 195.8	6.7 Hornbrook Development Cent	59.54	-29.90<
3A KVLB ind	LIC OR	CX	342.3 162.3	206.97	BLED20030730BCL	44 04 40 121 19 48	0.500 106	1310 199.5	15.9 Educational Media Foundati	60.92	-8.45<
5C1 KSKF lamath Falls	LIC OR	E	255.9 75.9	93.11	BLED19960111KX	42 05 50 121 37 59	6.500 581	2004 13.3	62.3 St Of Oregon Act By St Boa	-2.51<	17.43
i7C ALLO turas	VAC CA		205.6 25.6	109.48		41 25 00 121 06 32	100.000 -1489	0 115.9	31.0	35.0R	74.5M
Channel 214 90.7 MHz. ---											
5C1 KSKF lamath Falls	LIC OR	E	255.9 75.9	93.11	BLED19960111KX	42 05 50 121 37 59	6.500 581	2004 135.1	62.3 St Of Oregon Act By St Boa	-89.41<	-104.34<

CALL	TYPE	STATE	AZI.	DIST	LAT.	Pwr(kW)	COR(M)	PRO(km)	*IN*	*OUT*
			<--	FILE #	LNG.	HAAT(M)	INT(km)	LICENSEE	(Over)lap	in km)
C2 KIBC tey	LIC	CA	213.1	189.16	40 52 29	3.000	1631	53.5	17.08	-1.55<
			33.1	BLED19980206KA	121 46 13	556	137.2	Burney Educ.	Broadcasting	
E ALLO uras	VAC	CA	205.6	109.48	41 25 00	100.000	0	31.0	29.0R	80.5M
121 06 32			25.6		121 06 32	-1489	115.9			
Channel 215	90.9	MHz.	---							
C1 KSKF math Falls	LIC	E	255.9	93.11	42 05 50	6.500	2004	62.3	-141.39<	-165.05<
	OR		75.9	BLED19960111KX	121 37 59	581	195.8	St Of Oregon Act By St Boa		
C3 AP215 anville	APP	CX	180.7	205.78	40 27 13	2.000	1800	35.4	13.15	-39.66<
	CA		0.7	BNPED20000421AAU	120 34 14	280	210.0	Ihr Educational Broadcasti		
Channel 216	91.1	MHz.	---							
C1 KSKF math Falls	LIC	E	255.9	93.11	42 05 50	6.500	2004	62.3	-89.41<	-104.34<
	OR		75.9	BLED19960111KX	121 37 59	581	135.1	St Of Oregon Act By St Boa		
C1 AP219 uras	APP	VX	172.8	83.13	41 33 50	100.000	1553	50.6	-22.62*<	16.08
	CA		352.8	BNPED20000421AAAS	120 24 55	99	16.4	Ihr Educational Broadcasti		
Channel 217	91.3	MHz.	---							
C2 KNYR ika	LIC	CN	246.5	189.19	41 36 36	0.400	1817	46.4	-15.54<	-51.15<
	CA		66.5	BLED19951012KB	122 37 26	972	193.9	State Of Oregon/state Bd/o		
C2 KOABFM id	LIC	EN	342.2	207.06	44 04 41	25.000	1323	42.2	-3.12<	-34.67<
	OR		162.2	BLED19860128KC	121 19 57	121	199.5	Oregon Public Broadcasting		
C1 AP219 uras	APP	VX	172.8	83.13	41 33 50	100.000	1553	50.6	-22.62*<	16.08
	CA		352.8	BNPED20000421AAAS	120 24 55	99	16.4	Ihr Educational Broadcasti		
C1 KSKF math Falls	LIC	E	255.9	93.11	42 05 50	6.500	2004	62.3	-2.51<	17.43
	OR		75.9	BLED19960111KX	121 37 59	581	13.3	St Of Oregon Act By St Boa		
Channel 218	91.5	MHz.	---							
C1 AP219 uras	APP	VX	172.8	83.13	41 33 50	100.000	1553	50.6	-96.86*<	-113.73<
	CA		352.8	BNPED20000421AAAS	120 24 55	99	146.2	Ihr Educational Broadcasti		
3A KKRO dding	LIC	CX	212.8	201.03	40 46 43	0.290	1521	19.1	49.34	-16.72<
	CA		32.8	BLED20021119ABO	121 50 00	197	198.7	Educational Media Foundati		
C1 KSKF math Falls	LIC	E	255.9	93.11	42 05 50	6.500	2004	62.3	-2.51<	17.43
	OR		75.9	BLED19960111KX	121 37 59	581	13.3	St Of Oregon Act By St Boa		
Channel 219	91.7	MHz.	---							
9C1 AP219 uras	APP	VX	172.8	83.13	41 33 50	100.000	1553	50.6	-162.99*<	-178.86<
	CA		352.8	BNPED20000421AAAS	120 24 55	99	211.3	Ihr Educational Broadcasti		
9C2 KDOV dford	LIC	CN	270.4	186.60	42 17 44	26.000	588	22.9	8.42	-16.43<
	OR		90.4	BLED19950811KB	122 48 15	-480	180.2	Family Life Broadcasting I		
Channel 220	91.9	MHz.	---							
9C1 AP219 uras	APP	VX	172.8	83.13	41 33 50	100.000	1553	50.6	-96.86*<	-113.73<
	CA		352.8	BNPED20000421AAAS	120 24 55	99	146.2	Ihr Educational Broadcasti		
OA 950210 cloud	APP	CN	232.6	173.98	41 20 43	0.035	2434	17.5	29.07	-33.10<
	CA		52.6	BPED19950210MA	122 11 42	485	189.6	Southern Oregon State Coll		
OA 960503 cloud	APP	CN	231.8	180.59	41 17 30	0.100	1500	5.6	76.43	-14.43<
	CA		51.8	BPED19960503MG	122 14 21	-312	189.4	Fatima Response Inc Dba		
3C KLADFM math Falls	LIC	CN	255.9	93.11	42 05 50	63.000	1988	85.7	-9.03<	-5.89<
	OR		75.9	BLH19891205KA	121 37 59	565	13.3	New Northwest Broadcasters		
--- Channel-six TV station of concern ---										
1C2 KNSQ ount Shasta	LIC	CN	231.0	189.24	41 13 22	5.000	1494	37.1	63.42	47.96
	CA		51.0	BLED19940505KC	122 17 51	196	104.2	State Of Ore./state Bd. Of		

CALL	TYPE	STATE	AZI.	DIST	LAT.	Pwr(kW)	COR(m)	PRO(km)	*IN*	*OUT*
			<--	FILE #	LNG.	HAAT(m)	INT(km)	LICENSEE	(Overlap in km)	

CHANNEL PRECLUSION STUDY
 Alturas Preclusion Study, Max Facilities at 90 Deg
 Radio Bilingue, Fresno, California
 Class= C , Pwr= 100 kW, HAAT= 600 M, COR= 2413 M
 Average Protected F(50-50)= 91.82 km
 Ave. F(50-10) 40 dbu= 197.8 54 dbu= 136.6 80 dbu= 50.4 100 dbu= 13.7

REFERENCE			DISPLAY DATES
29 13 N			DATA 10-18-03
27 06 W			SEARCH 11-11-03

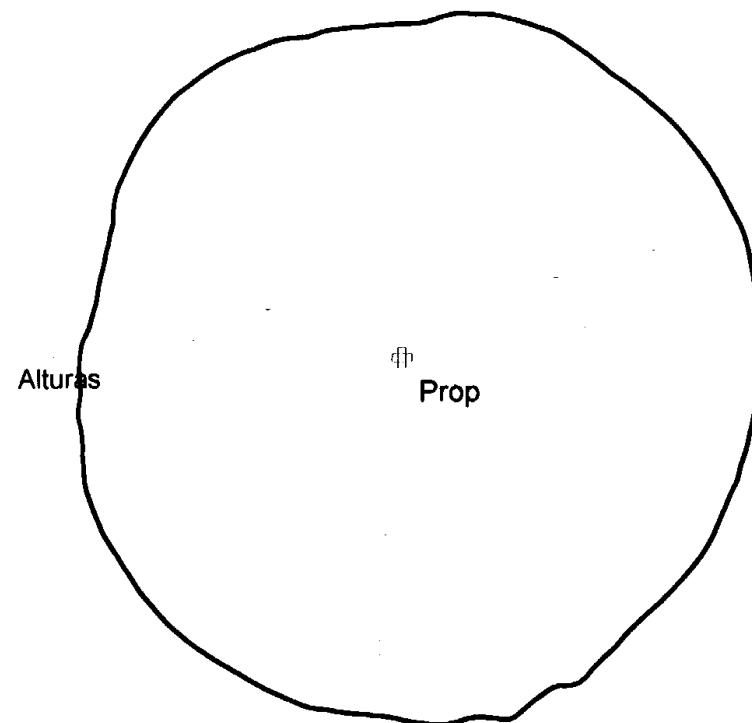
CALL Y	TYPE	STATE	AZI.	DIST	LAT.	Pwr(kW)	COR(M)	PRO(km)	*IN*	*OUT*
			<--	FILE #	LNG.	HAAT(M)	INT(km)	LICENSEE	(Overlap in km)	
Channel 201 88.1 MHz. ---										
C3 KFLL.C anville	CP DCX	CA	218.4 38.4	152.99 BNPED20000518ACM	40 24 12 120 34 25	25.000 -126	1336 200.2	22.7 Broadcasting For The Chall	-40.10<	-69.91<
C1 KLRH.C arks	CP CX	NV	180.4 0.4	191.71 BNPED20000518ACL	39 45 38 119 27 59	1.800 1015	2556 139.7	61.6 Educational Media Foundati	5.85	-9.59<
C2 KNSQ int Shasta	LIC CN	CA	263.9 83.9	239.95 BLED19940505KC	41 13 22 122 17 51	5.000 431	1494 190.0	51.4 State Of Ore./state Bd. Of	28.03	-1.47<
Channel 202 88.3 MHz. ---										
C1 KLRH.C arks	CP CX	NV	180.4 0.4	191.71 BNPED20000518ACL	39 45 38 119 27 59	1.800 1015	2556 201.8	61.6 Educational Media Foundati	-42.85<	-71.77<
C3 KFLL.C anville	CP DCX	CA	218.4 38.4	152.99 BNPED20000518ACM	40 24 12 120 34 25	25.000 -126	1336 138.4	22.7 Broadcasting For The Chall	24.16	-8.09<
Channel 203 88.5 MHz. ---										
4A KOAP keview	LIC C	OR	316.1 136.1	107.38 BLED20000922ABE	42 10 42 120 21 19	0.170 -422	1455 134.9	6.4 Oregon Public Broadcasting	7.66	-33.98<
3C2 KJQZ.C incy	CP DCX	CA	223.9 43.9	191.99 BNPED20000517AFH	40 14 00 121 01 11	0.790 581	2203 199.7	41.7 Csn International	-10.67<	-49.46<
3A KLMF amath Falls	LIC CX	OR	291.3 111.3	193.58 BLED20021011ABV	42 05 50 121 37 59	0.095 570	1995 187.1	24.8 The State Board Of Higher	32.41	-18.35<
2C1 KLRH.C arks	CP CX	NV	180.4 0.4	191.71 BNPED20000518ACL	39 45 38 119 27 59	1.800 1015	2556 139.7	61.6 Educational Media Foundati	5.85	-9.59<
Channel 204 88.7 MHz. ---										
4A KOAP keview	LIC C	OR	316.1 136.1	107.38 BLED20000922ABE	42 10 42 120 21 19	0.170 -422	1455 195.6	6.4 Oregon Public Broadcasting	-4.62<	-94.64<
4C KUNR no	LIC CN	NV	185.0 5.0	248.27 BMLED19930412KA	39 15 34 119 42 16	20.000 460	2306 200.3	66.8 University Of Nevada, Reno	0.64<	-18.81<
Channel 205 88.9 MHz. ---										
4A KOAP keview	LIC C	OR	316.1 136.1	107.38 BLED20000922ABE	42 10 42 120 21 19	0.170 -422	1455 134.9	6.4 Oregon Public Broadcasting	7.66	-33.98<
Channel 206 89.1 MHz. ---										
7C1 KPJP.C eenville	CP DCX	CA	223.9 43.9	191.96 BMPED20030226ACH	40 13 59 121 01 08	4.500 608	2236 138.0	59.7 Ihr Educational Broadcasti	10.65	-5.74<
Channel 207 89.3 MHz. ---										
7C1 KPJP.C eenville	CP DCX	CA	223.9 43.9	191.96 BMPED20030226ACH	40 13 59 121 01 08	4.500 608	2236 199.7	59.7 Ihr Educational Broadcasti	-40.01<	-67.45<
Channel 208 89.5 MHz. ---										
9C KNCA.A Jrney	APP CY	CA	252.8 72.8	209.47 BPED19960417MD	40 54 21 121 49 38	30.000 631	1722 132.9	80.7 Oregon State Board Of High	1.60<	-4.18<
9C3 AP209 innemucca	APP CX	NV	110.0 290.0	150.86 BNPED20000313AAO	41 00 40 117 45 57	0.450 672	2069 140.1	39.7 Lifetalk Broadcastin Asso	-3.81<	-28.90<

Y	CALL	TYPE STATE	AZI, ---	DIST FILE #	LAT. LNG.	Pwr(kW) HAAT(M)	COR(M) INT(km)	PRO(km) LICENSEE	*IN*	*OUT*
	C1 KPJP.C., enville	CP CA	223.9 43.9	191.96 BMPED20030226ACH	40 13 59 121 01 08	4.500 608	2236 138.0	59.7 Ihr Educational Broadcasti	10.65	-5.74<
	Channel 209	89.7 MHZ.	---							
	IC3 AP209 Inemucca	APP NV	110.0 290.0	150.86 BNPED20000313AAO	41 00 40 117 45 57	0.450 672	2069 202.4	39.7 Lifetalk Broadcasting Asso	-49.22<	-91.20<
	IC KNCA.A ney	APP CA	252.8 72.8	209.47 BPED19960417MD	40 54 21 121 49 38	30.000 631	1722 193.4	80.7 Oregon State Board Of High	-52.65<	-64.69<
	3C 951113 10	APP NV	184.4 4.4	241.45 BPED19951113MB	39 19 08 119 40 07	10.019 495	2395 200.3	61.9 Stockton Chistian Life Col	3.56<	-20.71<
	3C2 KNCA ney	LIC CA	251.4 71.4	206.10 BLED19920422KA	40 52 30 121 46 14	2.300 629	1635 194.4	53.8 Oregon State Board Of High	-12.64<	-42.10<
	3C2 950718 hoe City	APP CA	188.7 8.7	244.43 BPED19950718MA	39 18 38 119 53 01	0.600 835	2977 200.6	47.2 Thomas Aquinas School	33.91	-3.44<
	Channel 210	89.9 MHZ.	---							
	3C KNCA.A rney	APP CA	252.8 72.8	209.47 BPED19960417MD	40 54 21 121 49 38	30.000 631	1722 132.9	80.7 Oregon State Board Of High	1.60<	-4.18<
	3C3 AP209 Inemucca	APP NV	110.0 290.0	150.86 BNPED20000313AAO	41 00 40 117 45 57	0.450 672	2069 140.1	39.7 Lifetalk Broadcasting Asso	-3.81<	-28.90<
	Channel 211	90.1 MHZ.	---							
	Channel 212	90.3 MHZ.	---							
	2A 990405 eenville	APP CA	223.9 43.9	191.99 BPED19990405ME	40 14 00 121 01 11	0.056 591	2213 199.7	22.2 Pacific Cascade Communicat	27.29	-29.98<
	Channel 213	90.5 MHZ.	---							
	3C KKTO hoe City	LIC CA	188.7 8.7	244.43 BLED19970902KB	39 18 38 119 53 01	38.000 835	2977 200.6	90.0 California State Universit	-38.90<	-46.23<
	3C2 KIBC rney	LIC CA	251.4 71.4	206.09 BLED19980206KA	40 52 29 121 46 13	3.000 626	1631 194.4	56.3 Burney Educ. Broadcasting	-16.78<	-44.60<
	Channel 214	90.7 MHZ.	---							
	SC3 AP215 isanville	APP CA	219.6 39.6	148.45 BNPED20000421AAU	40 27 13 120 34 14	2.000 273	1800 138.3	35.1 Ihr Educational Broadcasti	2.75	-24.94<
	Channel 215	90.9 MHZ.	---							
	SC3 AP215 isanville	APP CA	219.6 39.6	148.45 BNPED20000421AAU	40 27 13 120 34 14	2.000 273	1800 200.1	35.1 Ihr Educational Broadcasti	-37.50<	-86.73<
	SC1 KSKF amath Falls	LIC OR	291.3 111.3	193.58 BLED19960111KX	42 05 50 121 37 59	6.500 579	2004 187.1	62.3 St of Oregon Act By St Boa	-33.75<	-55.83<
	Channel 216	91.1 MHZ.	---							
	SC3 AP215 isanville	APP CA	219.6 39.6	148.45 BNPED20000421AAU	40 27 13 120 34 14	2.000 273	1800 138.3	35.1 Ihr Educational Broadcasti	2.75	-24.94<
	I9C1 AP219 laturas	APP CA	276.4 96.4	80.88 BNPED20000421AAS	41 33 50 120 24 55	100.000 -211	1553 12.2	31.0 Ihr Educational Broadcasti	-5.79*<	37.75
	-- Channel 217	91.3 MHZ.	---							
	I7C KNIS arson City	LIC NV	185.1 5.1	248.44 BLED19891016KA	39 15 30 119 42 36	67.000 535	2311 200.3	84.7 Western Inspirational Broa	-28.94<	-36.61<

CALL	TYPE	STATE	AZI.	DIST	LAT.	Pwr(kW)	COR(M)	PRO(km)	*IN*	*OUT*
			<--	FILE #	LNG.	HAAT(M)	INT(km)	LICENSEE	(overlap in km)	
C1 AP219	APP	VX	276.4	80.88	41 33 50	100.000	1553	31.0	-5.79*<	37.75
Juras	CA		96.4	BNPED20000421AAS	120 24 55	-211	12.2	Ihr Educational Broadcasti		
Channel 218 91.5 MHz. ---										
C1 AP219	APP	VX	276.4	80.88	41 33 50	100.000	1553	31.0	-61.70*<	-74.21<
Juras	CA		96.4	BNPED20000421AAS	120 24 55	-211	124.1	Ihr Educational Broadcasti		
Channel 219 91.7 MHz. ---										
C1 AP219	APP	VX	276.4	80.88	41 33 50	100.000	1553	31.0	-133.34*<	-137.17<
Juras	CA		96.4	BNPED20000421AAS	120 24 55	-211	187.1	Ihr Educational Broadcasti		
Channel 220 91.9 MHz. ---										
C1 AP219	APP	VX	276.4	80.88	41 33 50	100.000	1553	31.0	-61.70*<	-74.21<
Juras	CA		96.4	BNPED20000421AAS	120 24 55	-211	124.1	Ihr Educational Broadcasti		
- Channel-six TV station of concern ---										
C2 KNSQ	LIC	CN	263.9	239.95	41 13 22	5.000	1494	51.4	94.21	83.22
Int Shasta	CA		83.9	BLED19940505KC	122 17 51	431	105.3	State of Ore./state Bd. Of		

Prop
Latitude: 41-29-13 N
Longitude: 119-27-06 W
ERP: 100.00 kW
Channel: 201
Frequency: 88.1 MHz
AMSL Height: 2412.92 m
Elevation: 1715.21 m
Horiz. Pattern: Omni
Vert. Pattern: No
Prop Model: None

Gray Frierson Haertig & Assoc.
820 North River Street, Suite 100
Portland, Oregon 97227
503-282-2989 - gfh@haertig.com



Preclusion Study - 60 dBu Contour
Channel 211 Maximum Facilities at 27 KM
Due East of the Community Reference Coordinates

Scale 1:2,000,000
0 20 40 60 km